

CLAIMS

1. A crawler tractor comprising a hydrostatic transmission for steering to rotate a machine body, wherein the hydrostatic transmission for steering is connected to a driving system at a position located behind a reverser mechanism for switching a forward movement or a rearward movement of the machine body.

2. The crawler tractor according to claim 1, comprising a travel speed-change mechanism of gear-switching type for changing travel speed by changing a gear train, wherein an input side of the hydrostatic transmission for steering is operatively connected to a speed-change shaft of the travel speed-change mechanism.

3. The crawler tractor according to claim 1, wherein the hydrostatic transmission for steering is connected to a steering wheel via a reduction gear and a link mechanism which are mounted to a single stay of a steering wheel column in a cantilever manner.

4. The crawler tractor according to claim 3, wherein the steering wheel column that is integrally equipped with the steering wheel and the link mechanism is supported by the machine body in a vibration-absorbing manner via a vibration-absorbing member.

5. The crawler tractor according to claim 1, wherein the

hydrostatic transmission for steering comprises a steering pump and a steering motor, and the steering motor is connected to an input shaft of a differential mechanism of planetary gear type.

5 6. The crawler tractor according to claim 1, wherein a control member of the hydrostatic transmission for steering is connected to a steering wheel via a link mechanism, and an auxiliary speed-change lever of a travel speed-change mechanism is connected to the link mechanism so as to adjust operating amount of the hydrostatic transmission for steering
10 when the auxiliary speed-change lever is operated for auxiliary speed change.

 7. The crawler tractor according to claim 6, wherein relative to a certain steering amount of the steering wheel, a rotational difference
15 between right and left traveling crawlers becomes large when the auxiliary speed change is at a high speed, and a rotational difference between the right and left traveling crawlers becomes small when the auxiliary speed change is at a low speed.

20 8. The crawler tractor according to claim 1, wherein a driving part of a traveling crawler belt is disposed at a front side of the machine body and a transmission case having a travel speed-change mechanism is disposed at a rear side of the machine body, and the transmission case is provided with a travel brake.

9. The crawler tractor according to claim 8, wherein a brake shaft of the travel brake is supported by the transmission case and a brake case.

10. The crawler tractor according to claim 8, wherein a brake shaft of the travel brake is supported by the transmission case in a both ends supported manner.

11. The crawler tractor according to claim 8, wherein a brake case of the travel brake is used as a side cover of the transmission case, and the brake case is used as a support member for supporting a crawler frame on which a crawler belt is mounted.

12. The crawler tractor according to claim 1, wherein step parts where a driving operator gets on and fender parts are integrated, and provided on right and left sides separately.

13. The crawler tractor according to claim 12, wherein a fuel tank for an engine is mounted to one of right and left vehicle body frames that integrally connecting the steps where the driving operator gets on and the fenders.

14. The crawler tractor according to claim 1, wherein a travel speed-change mechanism for changing travel speed is operatively connected to the driving system at a position located behind the reverser mechanism.

15. The crawler tractor according to claim 14, wherein the travel

speed-change mechanism and the hydrostatic transmission for steering are arranged in serial.

16. The crawler tractor according to claim 14, wherein the travel
5 speed-change mechanism and the hydrostatic transmission for steering are connected to a transmission case having a differential mechanism of planetary gear type, so as to be arranged opposite each other with the transmission case being interposed between the travel speed-change mechanism and the hydrostatic transmission for steering.

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17. The crawler tractor according to claim 12, wherein one fuel tank for an engine is disposed between the right and left fenders behind a driver seat, and another fuel tank or fuel tanks are disposed inside one or both of the right and left fenders.